SONY

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VAIO

VGN-AW31ZJ/B

The ultimate in power & performance

Real wide 18.4" Full HD entertainment with ultra fast processor and Blu-ray Disc™ Drive

VAIO Europe official website
http://www.vaio.eu/

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http://www.vaiopro.eu/

KEY FEATURES

- Full HD 18.4" X-black LCD with multiple lamp for true-to-life picture quality
- Blu-ray Disc™ writer for data storage, watching HD movies and creating HD content
- Professional photo editing with Adobe® Photoshop® Elements and Adobe® Premiere® Elements
- Powerful surround sound with 2.1ch speakers and Dolby Home Theatre®

TECHNICAL SPECIFICATIONS

Operating System

Operating System	Genuine Windows Vista® Home Premium (64-bit)
Microsoft® Windows® Service Pack	1

Architecture

Platform	Intel® Centrino® 2 processor technology
Chipset	Mobile Intel® PM45 Express Chipset

Colour

Cover colour	Black

CPU Section

Processor Name	Intel® Core™2 Duo Processor T9600 with Enhanced Intel SpeedStep® Technology
Processor Manufacturer	Intel®
Processor Speed (GHz)	2.8
L2 Cache (MB)	6
Frontside Bus (MHz)	1066
Number of Cores	2

Memory

Memory Size (GB)	6
Memory Speed (MHz)	800
Memory Type	DDR2 SDRAM (1x4GB, 1x2GB)
Max. Supported Memory (GB)	8
Max Memory Comment	A portion of the system memory over 3GB may not be available to the 32bit operating system

Drives

Hard Drive Type	Serial ATA
Hard Drive Capacity (GB)	500 (1x500GB)
Hard Drive Speed (rpm)	5400
Optical Drive Type	Blu-ray Disc™ Drive: BD-R/-RE/-ROM/ DVD+-RW/+-R DL/RAM Drive (reader/writer)
Optical Drive Fitting	Built-in

Drives Speed

Write	CD-R x24, CD-RW x16, DVD-R DL x4, DVD-R x8, DVD-RW x6, DVD+R DL x4, DVD+R x8, DVD+RW x6, DVD-RAM x5, BD-Rx4, BD-RE x2, BD-R DL x2, BD-RE DL x2
Read	CD-ROM x24, CD-R x24, CD-RW x24, DVD x8, DVD-R DL x6, DVD-R x8, DVD-RW x6, DVD +R DL x6, DVD+R x8, DVD+RW x6, DVD-RAM x5, BD-ROM x4, BD-Rx4, BD-RE x2, BD-RE DL x2, BD-R DL x2

Display

Screen Type	X-black LCD with multiple lamp
Diagonal Size (in)	18.4
Resolution	1920 x 1080
Aspect Ratio	16:9
Resolution Type	Full HD

Graphics

Graphic Card Name	NVIDIA® GeForce® 9600M GT GPU
Total Graphics Memory	Total available graphics memory of Approx. 2280MB* with dedicated GDDR3 Video Memory of 512MB
Comments	* Total Available Graphics Memory refers to the Windows Vista® classification of graphics memory, which varies depending on the operating condition, version of device driver and system memory size.

Interfaces

4 Pin i.LINK™ (IEEE1394), 400 Mbps	1
DC in	1
Memory Stick™ Slot	1
Memory Stick™ Slot Type	Memory Stick™ standard, Memory Stick™ Duo, Memory Stick™ PRO, Memory Stick™ PRO Duo, high speed data transfer and MagicGate compatible
Microphone Jack (Stereo)	1
RJ-11 Direct Port (Modem)	1
RJ-45 Direct Port (Network)	1
USB Speed	High/Full/Low
USB Port (quantity)	3
USB Version	2.0
USB Connector Type	A
VGA Connector for Monitor	1
SD Card Slot	1
CF Card Slot	1
Audio out	2
Audio out Type(s)	Headphone/Speakers Jack and optical S/PDIF
HDMI out	1
Express Card Slot	1
Express Card Slot Type	34mm

Connectivity

Built-in Modem	V.92/V.90
Integrated Wireless LAN	YES
Wireless LAN Range (m)	max. 100
Integrated Bluetooth (Version)	2.1 + EDR
Bluetooth Range (m)	10
Wireless LAN Type	802.11a/b/g/Draft n
Wireless LAN Max. Date Rate (Mbps)	300 (RX) / 150 (TX)
Ethernet network	10 BASE-T/100 BASE-TX/1000 BASE-T

Multimedia

Intel® High Definition Audio compatible	YES
3D Surround	Dolby Home Theatre®
Built-in Stereo Speakers	YES
Built-in Subwoofer	YES
Windows® Sound System Compatible	YES
Sound Reality	YES

Built-in Camera

Built-in 'Motion Eye' Digital Camera	YES
Frames per Second	max. 30
Image Sensor (Mega Pixels)	1.3
Motion Picture Function	YES
Motion Pictures max. Resolution (pixels)	1280x1024 (SXGA)

Keyboard Section

Touch Pad	1
Numeric Keypad	1

Features

Special Buttons	Power button, Wireless LAN switch, Touch sensor buttons (S1 & S2), Mute, Volume Control, AV buttons, Play/Pause, Stop buttons, ODD eject button
Auto Resolution	Plug and Display
Kensigton Lock	YES
Built-in Microphone	YES

Software

Solution Guide	Me & My VAIO
Audio	VAIO Music Box, Windows Media Player 11, SonicStage Mastering Studio 2.5
Video & TV	Picture Motion Browser,VAIO Content Importer / Exporter, WinDVD BD 8 for VAIO, DivX Player & Converter,VAIO Movie Story,Adobe Premiere Elements 7
Photo	Picture Motion Browser, VAIO Movie Story, Adobe Photoshop Elements 7
Home Network	VAIO Media Plus
CD-DVD Burning	Easy Media Creator 10, Click to Disc/Editor
Office Application	Adobe® Reader® 9, Microsoft® Office Trial 2007 (60 days Try & Buy)
Security & Other	McAfee® Internet Security Suite (with 60 days free virus updates), VAIO Recovery Utility 2.6 - HDD recovery (hidden partition), Google software package

Supplied Accessories

AC Adaptor	YES
Battery	YES
Power Cord	YES

Dimensions

Depth Main Unit (mm)	288.9
Height Main Unit (min - max in mm)	36.9 - 39.7
Width Main Unit (mm)	437.2
Weight with Supplied Battery and Supplied Drive (kg)	3.8

Battery

Battery Type	Lithium-Ion battery (VGP-BPS13B)
Battery Life (min)	110
Battery Charging Time (min)	210
Battery Life Disclaimer	Actual battery life will vary depending on your specific hardware and software configurations. Benchmark: MobileMark 2007

Guarantee

Months	12

OPTIONAL ACCESSORIES

VGP-MBA10

PC Carrying Bag

VGP-BPS13A/B

Battery Pack for BZ and SR series

VGP-AC19V16

Sony VAIO® AC Adapter

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